

CCDA - Designing for Cisco Internetwork Solutions (DESGN) (640-864)

QUESTION 41

Which aspect would most likely be found in the draft design document?

- A. a list of QoS requirements
- B. a note that there are no segments with more than 70 percent broadcast or multicast traffic
- C. the level of redundancy or high availability that currently exists or is required in the network
- D. the list of network infrastructure services which are in use, such as voice and video

Answer: C

QUESTION 42

Your company's Cisco routers are operating with EIGRP. You need to join networks with an acquisition's heterogeneous routers at 3 sites, operating with EIGRP and OSPF. Which describes the best practice for routing protocol deployment?

- A. apply OSPF throughout both networks
- B. apply one-way redistribution exclusively at each location
- C. apply two way redistribution exclusively at each location
- D. apply two-way redistribution at each location with a route filter at only one location
- E. apply two-way redistribution at each location with a route filter at each location
- F. apply EIGRP with the same autonomous system throughout both networks

Answer: E

QUESTION 43

When considering the enterprise campus design, which network application category most influences the network design?

- A. peer-to-peer
- B. client-local server
- C. client-enterprise edge server
- D. client-server farm

Answer: D

QUESTION 44

Which two link state routing protocols support IPv6 routing? (Choose two)

- A. BGP4+
- B. OSPF
- C. RIPng
- D. EIGRP
- E. IS-IS

Answer: BE

QUESTION 45

When designing the wireless portion of an enterprise campus network, which one of these statements should serve as a strict guideline?

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- A. Wireless controllers should be distributed throughout the building distribution layers
- B. Dynamic controller redundancy, where the access points attempt to join the least loaded controller, is a best-practice approach.
- C. Wireless controllers should be centralized in the core layer
- D. To improve the RF coverage, the controllers of any building should be put in the same mobility group.

Answer: C

QUESTION 46

When designing using the Cisco Enterprise Architecture, in which Enterprise Campus layer does the remote Access and VPN module establish its connection?

- A. Building Access
- B. Campus Core
- C. Enterprise Branch
- D. Enterprise Data Center

Answer: B

QUESTION 47

Which one of these statements is an example of how trust and identity management solutions should be deployed in the enterprise campus network?

- A. Authentication validation should be deployed as close to the data center as possible.
- B. Use the principle of top-down privilege, which means that each subject should have the privileges that are necessary to perform their defined tasks, as well as all the tasks for those roles below them.
- C. Mixed ACL rules, using combinations of specific sources and destinations, should be applied as close to the source as possible.
- D. For ease of management, practice defense in isolation security mechanisms should be in place one time, in one place.

Answer: C

QUESTION 48

Which of these is the equation used to derive a 64 Kbps bit rate?

- A. $2 \times 8 \text{ kHz} \times 4\text{-bit code words}$
- B. $8 \text{ kHz} \times 8\text{-bit code words}$
- C. $2 \times 4\text{-bit code words} \times 8 \text{ kHz}$
- D. $2 \times 4 \text{ kHz} \times 8\text{-bit code words}$

Answer: D

QUESTION 49

Which one of these statements best describes the challenge of the designer when dealing with IP routing?

- A. OSPF supports fast convergence does not require periodic routing table updates, so the optional network design is best simplified with the network as a single backbone area.
- B. Manual summarization is limited to ABRs and ASBRs, therefore the designer must pay strict attention

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to the EIGRP topology.

- C. EIGRP, as a proprietary protocol, has special challenges when dealing with networks deployed with IPv6.
- D. Effective scalability with OSPF requires the designer to pay strict attention to the hierarchical network structure, localizing topology changes.

Answer: D

QUESTION 50

When designing the identity and access control portions for the enterprise campus network, which of these solutions would be the most appropriate solution to consider?

- A. 802.1x
- B. ACLs in the core layer
- C. Cisco Security MARS
- D. NetFlow

Answer: A

QUESTION 51

Which three terms describe the primary functions of the distribution layer of the campus network design hierarchy? (Chose three)

- A. provides end-user connectivity
- B. provides high speed transport
- C. provides QoS services
- D. enforces security policies
- E. provides WAN connection
- F. connects access devices to the core backbone

Answer: CDF

QUESTION 52

DataQuirk is a web-based medical transcription company for exotic-animal veterinarians. The company recently added a third ISP for international business. They are organizing the enterprise network into a fully operational Enterprise Edge.

To which two modules will the three ISPs be directly related? (Choose two.)

- A. PSTN
- B. E-commerce
- C. WAN/MAN
- D. Edge Distribution
- E. internet Connectivity
- F. Remote Access VPN

Answer: BE

QUESTION 53

Drag and Drop Question

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Drag the network function on the left to the functional area or module where it is most likely to be performed in the enterprise campus infrastructure on the right.

aggregates connectivity to voice, video, and data outside the enterprise with QoS and security	Enterprise Campus
provides internal users with external HTTP, FTP, SMTP, and DNS connectivity	Enterprise Edge
enables service-oriented architectures, virtualization, and secure computing with load balancing, redundancy	E-Commerce
enables intelligent route and switch, high availability resilient multilayer design and integrated security	Internet Connectivity
supports application traffic through the internet, initiated outside the enterprise network	Remote Access and VPN
terminates traffic that us forwarded by the internet connectivity module	Data Center

Answer:

Drag the network function on the left to the functional area or module where it is most likely to be performed in the enterprise campus infrastructure on the right.

aggregates connectivity to voice, video, and data outside the enterprise with QoS and security	enables intelligent route and switch, high availability resilient multilayer design and integrated security
provides internal users with external HTTP, FTP, SMTP, and DNS connectivity	aggregates connectivity to voice, video, and data outside the enterprise with QoS and security
enables service-oriented architectures, virtualization, and secure computing with load balancing, redundancy	supports application traffic through the internet, initiated outside the enterprise network
enables intelligent route and switch, high availability resilient multilayer design and integrated security	provides internal users with external HTTP, FTP, SMTP, and DNS connectivity
supports application traffic through the internet, initiated outside the enterprise network	terminates traffic that us forwarded by the internet connectivity module
terminates traffic that us forwarded by the internet connectivity module	enables service-oriented architectures, virtualization, and secure computing with load balancing, redundancy

QUESTION 54

Which codec does Cisco recommend for WAN link?

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- A. G.711
- B. G.723
- C. G.728
- D. G.729

Answer: D

QUESTION 55

Drag and Drop Question

Drag the network characteristic on the left to the design method on the right which will best ensure redundancy at the building distribution layer.

Support Layer 2 VLANs spanning multiple access layer switches across the distribution switches	Layer 2 between distribution and access layers, with a Layer 3 link between the distribution switches
Convergence (FHRP) is not an issue	Layer 2 between distribution and access layers, with a Layer 2 link between the distribution switches
FHRP for convergence, no VLANs span between access layer switches across the distribution switches	VSS

Answer:

Drag the network characteristic on the left to the design method on the right which will best ensure redundancy at the building distribution layer.

Support Layer 2 VLANs spanning multiple access layer switches across the distribution switches	Support Layer 2 VLANs spanning multiple access layer switches across the distribution switches
Convergence (FHRP) is not an issue	FHRP for convergence, no VLANs span between access layer switches across the distribution switches
FHRP for convergence, no VLANs span between access layer switches across the distribution switches	Convergence (FHRP) is not an issue

QUESTION 56

Which codec does Cisco recommend for WAN links?

- A. G.711
- B. G.723
- C. G.728
- D. G.729

Answer: D

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QUESTION 57

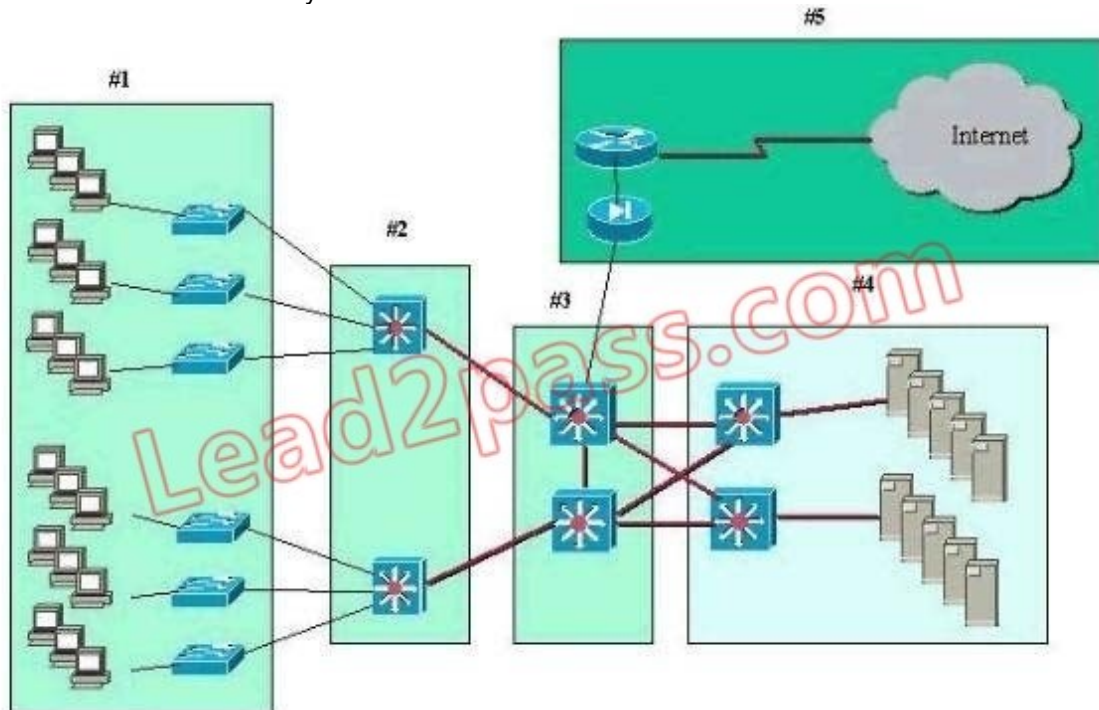
When considering the three VoIP design models: single site, centralized multisite, and distributed multisite, which question below would help to eliminate one of the options?

- A. Will the switches be required to provide inline power?
- B. Will users need to make offsite calls, beyond the enterprise?
- C. Will users require applications such as voice mail and interactive voice response?
- D. Are there users whose only enterprise access is via a QoS-enabled WAN?

Answer: D

QUESTION 58

Refer to the exhibit. A standard, Layer 2 campus network design is pictured. Which numbered box represents the distribution layer?



- A. #1
- B. #3
- C. #4
- D. #2

Answer: D

QUESTION 59

The enterprise campus core layer has requirements that are unique from the distribution and access layers. Which of the following is true about the core layer?

- A. The core layer provides convergence using Layer 2 and Layer 3 services and features.

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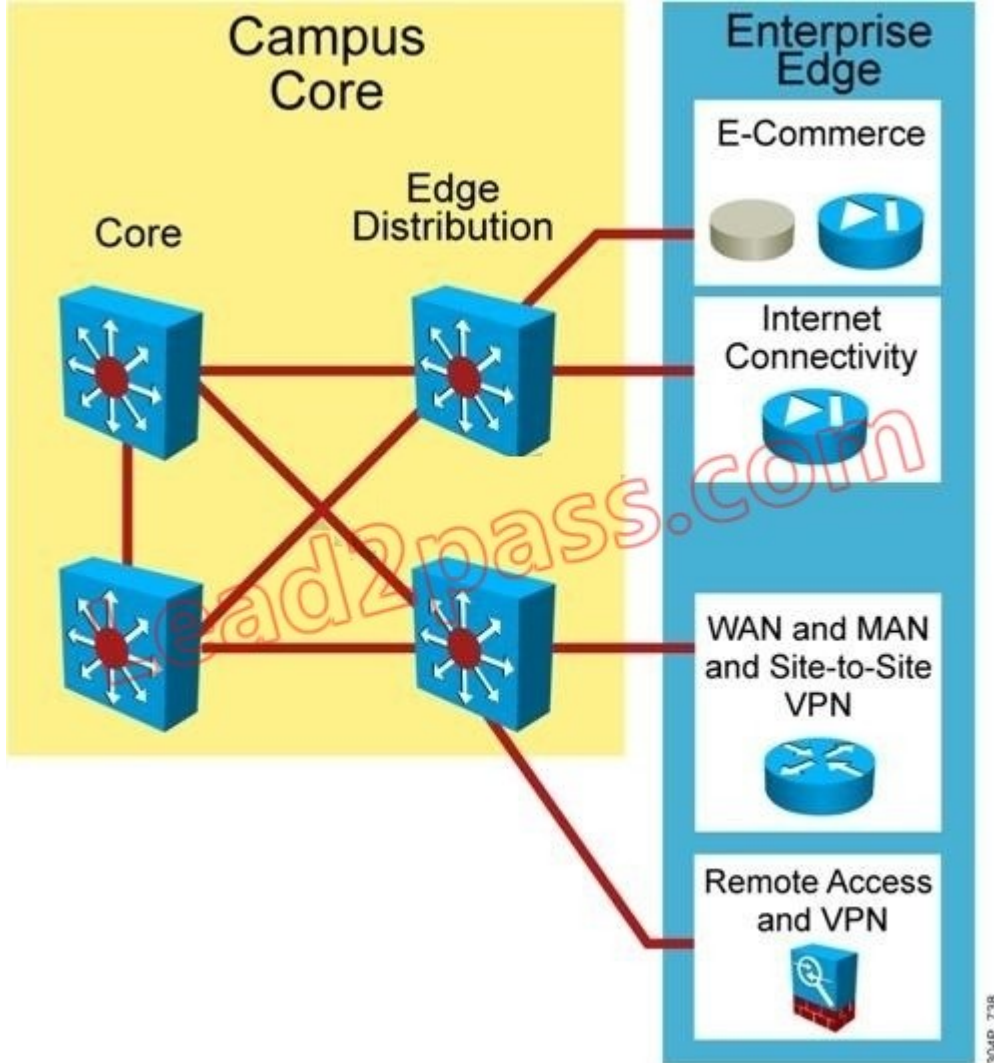
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- B. The core layer provides high availability to support the distribution layer connections to the enterprise edge.
- C. The campus core layer is optional.
- D. The core layer requires high performance to manage the traffic policing across the backbone.

Answer: C

QUESTION 60

Refer to the exhibit. Which statement is true concerning enterprise edge distribution switches?



- A. The speed of switching is the most critical feature.
- B. Security requirements are offloaded to the other modules for performance reasons.
- C. Edge distribution switches are only required when using a collapsed core backbone.
- D. Enterprise edge distribution switches are similar to the building distribution layer.

Answer: D

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